

**WHAT IS CLAIMED IS:**

1. A method for producing a device having a reduced memory capacity comprising:

providing a device having a memory capacity;

determining that the memory capacity of the device can be reduced;

determining an amount by which the memory capacity of the device is to be reduced; and

reducing the memory capacity of the device in accordance with the determined amount to produce a device having a reduced memory capacity and a dormant memory capacity.

2. The method of Claim 1 additionally comprising determining a second memory capacity of a second device

in an apparatus requiring the second device having the second memory capacity.

3. The method of Claim 2 wherein said apparatus comprises a computer.

4. The method of Claim 2 wherein said second memory capacity of said second device is less than the memory capacity of the device.

5. The method of Claim 3 wherein said second memory capacity of said second device is less than the memory capacity of the device.

6. The method of Claim 2 additionally comprising furnishing said apparatus with said device having said reduced memory capacity and the dormant memory capacity which is not available for use.

7. The method of Claim 3 additionally comprising furnishing said apparatus with said device having said

reduced memory capacity and the dormant memory capacity which is not available for use.

8. The method of Claim 4 additionally comprising furnishing said apparatus with said device having said reduced memory capacity and the dormant memory capacity which is not available for use.

9. The method of Claim 5 additionally comprising furnishing said apparatus with said device having said reduced memory capacity and the dormant memory capacity which is not available for use.

10. The method of Claim 2 wherein the difference between the memory capacity of the device and the second memory capacity of the second device comprises a dormant memory capacity.

11. The method of Claim 3 wherein the difference between the memory capacity of the device and the second memory capacity of the second device comprises a dormant memory capacity.

12. The method of Claim 1 wherein said device comprises a module.

13. The method of Claim 3 wherein said device comprises a module.

14. The method of Claim 2 wherein said second device comprises a second module.

15. The method of Claim 3 wherein said second device comprises a second module.

16. A method for producing a DIMM having a reduced memory capacity comprising:

providing a DIMM having a memory capacity;

determining that the memory capacity of the DIMM can be reduced;

determining an amount by which the memory capacity of the DIMM is to be reduced; and

reducing the memory capacity of the DIMM in accordance with the determined amount to produce a DIMM having a reduced memory capacity which is available for use and a dormant memory capacity which is not available for use.

17. The method of Claim 16 additionally comprising determining a second memory capacity of a second DIMM in an apparatus requiring the second DIMM having the second memory capacity.

18. The method of Claim 17 wherein said apparatus comprises a computer.

19. The method of Claim 17 wherein said second memory capacity of said second DIMM is less than the memory capacity of the DIMM.

20. The method of Claim 18 wherein said second memory capacity of said second DIMM is less than the memory capacity of the DIMM.

21. The method of Claim 17 additionally comprising furnishing said apparatus with said DIMM having said reduced memory capacity and the dormant memory capacity which is not available for use.

22. The method of Claim 18 additionally comprising furnishing said apparatus with said DIMM having said reduced memory capacity and the dormant memory capacity which is not available for use.

23. The method of Claim 19 additionally comprising furnishing said apparatus with said DIMM having said reduced memory capacity and the dormant memory capacity which is not available for use.

24. The method of Claim 20 additionally comprising furnishing said apparatus with said DIMM having said

reduced memory capacity and the dormant memory capacity which is not available for use.

25. The method of Claim 17 wherein the difference between the memory capacity of the DIMM and the second memory capacity of the second DIMM comprises a dormant memory capacity.

26. The method of Claim 18 wherein the difference between the memory capacity of the DIMM and the second memory capacity of the second DIMM comprises a dormant memory capacity.

27. The method of Claim 16 wherein said reducing the memory capacity of the DIMM comprises disposing the DIMM in an EEPROM assembly; programming the EEPROM with a program comprising row, bank and column information; and executing the program in order to reduce the memory capacity of the DIMM.

28. The method of Claim 27 additionally comprising providing an apparatus having a second DIMM including a second memory capacity generally equal to the reduced memory capacity of the DIMM; and replacing the second DIMM with the DIMM having the reduced memory capacity and the dormant memory capacity.

29. A device produced in accordance with the method of Claim 1.

30. A DIMM produced in accordance with the method of Claim 16.



31. An assembly comprising an apparatus; and a device disposed in said apparatus and having a reduced memory capacity and a dormant memory capacity.

32. The assembly of Claim 31 wherein said device having been produced in accordance with the following steps:

providing the device having a memory capacity;

determining that the memory capacity of the device can be reduced;

determining an amount by which the memory capacity of the device is to be reduced; and

reducing the memory capacity of the device in accordance with the determined amount to produce the device having the reduced memory capacity and the dormant memory capacity.

33. A computer assembly comprising a computer; and a DIMM disposed in said computer and having a reduced memory capacity and a dormant memory capacity.

34. The computer assembly of Claim 33 wherein said DIMM having been produced in accordance with the following steps:

providing the DIMM having a memory capacity;

determining that the memory capacity of the DIMM can be reduced;

determining an amount by which the memory capacity of the DIMM is to be reduced; and

reducing the memory capacity of the DIMM in accordance with the determined amount to produce the DIMM having the reduced memory capacity and the dormant memory capacity.

35. The method of Claim 1 additionally comprising testing the produced device for a reduced memory-capacity accuracy and for a dormant memory-capacity accuracy.